

CLAIMS

1. A structure connecting a shroud to a heat exchanger comprising:

5 an air blower that sends a current of air to the heat exchanger;

the shroud that guides the current of air sent from the air blower to the heat exchanger; and

brackets for mounting the heat exchanger to a vehicle body;

10 wherein the brackets and the shroud are pressed by part of the vehicle body and prevented from moving in the vertical direction in a state in which the horizontal movement of the shroud with respect to the brackets is prevented by projections that are formed on the top end sides of the brackets and project upward, and the bottom end side of the shroud is supported by support projections provided to the brackets.

2. A structure connecting a shroud to a heat exchanger comprising:

20 an air blower that sends a current of air to the heat exchanger; and

the shroud that guides the current of air sent from the air blower to the heat exchanger;

25 wherein the heat exchanger and the shroud are pressed by part of a vehicle body and prevented from moving in the vertical direction in a state in which the horizontal movement of the shroud with respect to the heat exchanger is prevented by projections that are formed on the top end side of the heat exchanger and projects in a vertical direction, and the bottom end side of the shroud is supported by support projections provided to the heat exchanger.

30 3. A structure connecting a shroud to a heat exchanger comprising:

35 an air blower that sends a current of air to the heat exchanger;

the shroud that guides the current of air

sent from the air blower to the heat exchanger; and
brackets for mounting the heat exchanger
to a vehicle body;

5 wherein the brackets and the shroud are
prevented from moving in the vertical direction by
tightening-coupling means provided at least to either of
the brackets or the shroud in a state in which the
horizontal movement of the shroud with respect to the
10 brackets is prevented by projections that are formed on
the top end sides of the brackets and project upward, and
the bottom end side of the shroud is supported by support
projections provided to the brackets.

4. A structure connecting a shroud to a heat
exchanger comprising:

15 an air blower that sends a current of air
to the heat exchanger; and

the shroud that guides the current of air
sent from the air blower to the heat exchanger;

20 wherein the heat exchanger and the shroud
are pressed by tightening-coupling means provided to the
heat exchanger and prevented from moving in the vertical
direction in a state in which the horizontal movement of
the shroud with respect to the heat exchanger is
prevented by projections that are formed on the top end
25 side of the heat exchanger and project in a vertical
direction, and the bottom end side of the shroud is
supported by support projections provided to the heat
exchanger.

30 5. A structure connecting a shroud to a heat
exchanger, as set forth in claim 3, wherein the
tightening-coupling means are engaging-stopping
projections that can displace elastically.

35 6. A structure connecting a shroud to a heat
exchanger, as set forth in claim 1, wherein the brackets
are provided with the projections and the shroud is
provided with insertion holes into which the projections
are inserted.

7. A structure connecting a shroud to a heat exchanger, as set forth in claim 1, wherein plural heat exchangers are assembled to the brackets so as to sandwich the brackets.

5 8. A structure connecting a shroud to a heat exchanger, as set forth in claim 1, wherein the shroud has a substantially L-shaped section which comprises:

10 a top end portion that is assembled to the projections of the brackets (or the heat exchanger); and
an air guide portion that supports the air blower and guides the current of air that has passed through the heat exchanger to the air blower.

15 9. A structure connecting a shroud to a heat exchanger, as set forth in claim 4, wherein the tightening-coupling means have engaging-stopping projections that can displace elastically.

20 10. A structure connecting a shroud to a heat exchanger, as set forth in claim 3, wherein the brackets are provided with the projections and the shroud is provided with insertion holes into which the projections are inserted.

25 11. A structure connecting a shroud to a heat exchanger, as set forth in claim 3, wherein plural heat exchangers are assembled to the brackets so as to sandwich the brackets.

12. A structure connecting a shroud to a heat exchanger, as set forth in claim 2, wherein the shroud has a substantially L-shaped section which comprises:

30 a top end portion that is assembled to the projections of the brackets (or the heat exchanger); and
an air guide portion that supports the air blower and guides the current of air that has passed through the heat exchanger to the air blower.

35 13. A structure connecting a shroud to a heat exchanger, as set forth in claim 3, wherein the shroud has a substantially L-shaped section which comprises:

a top end portion that is assembled to the

projections of the brackets (or the heat exchanger); and
an air guide portion that supports the air
blower and guides the current of air that has passed
through the heat exchanger to the air blower.

5 14. A structure connecting a shroud to a heat
exchanger, as set forth in claim 4, wherein the shroud
has a substantially L-shaped section which comprises:

 a top end portion that is assembled to the
projections of the brackets (or the heat exchanger); and

10 an air guide portion that supports the air
blower and guides the current of air that has passed
through the heat exchanger to the air blower.